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 12/11
 1644 OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,307A

DATE: 11/29/2001

TIME: 18:37:18

Input Set : A:\09823307A.txt

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3 <110> APPLICANT: Kroczek, Richard
 5 <120> TITLE OF INVENTION: Anti-human T-cell costimulating monoclonal antibodies
 7 <130> FILE REFERENCE: 7853-215
 9 <140> CURRENT APPLICATION NUMBER: 09/823,307A
 10 <141> CURRENT FILING DATE: 2001-04-02
 12 <150> PRIOR APPLICATION NUMBER: 09/509,283
 13 <151> PRIOR FILING DATE: 2000-08-11
 15 <160> NUMBER OF SEQ ID NOS: 4
 17 <170> SOFTWARE: PatentIn version 3.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 2641
 21 <212> TYPE: DNA
 22 <213> ORGANISM: 8F4
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| 27 | aacaggagaa atcaatggtt ctgccaatta tgagatgttt atatttcaca acggaggtgt | 180 |
| 28 | acaaatttta tgcaaatatc ctgacattgt ccagcaattt aaaatgcagt tgctgaaagg | 240 |
| 29 | ggggcaaata ctctgcgac tcactaagac aaaaggaagt ggaacacag tgtccattaa | 300 |
| 30 | gagtctgaaa ttctgccatt ctacgttatc caacaacagt gtctcttttt ttctatacaa | 360 |
| 31 | cttgaccat tctcatgcca actattactt ctgcaacctc tcaatttttg atcctcctcc | 420 |
| 32 | ttttaagta actcttacag gaggatattt gcatatttat gaatcacacac ttgtgtgcca | 480 |
| 33 | gctgaagtgc tggttaccca taggatgtgc agcctttgtt gtagtctgca ttttgggatg | 540 |
| 34 | catacttatt tgttggttta caaaaaagaa gtattcatcc agtgtgcacg accctaacgg | 600 |
| 35 | tgaatacatg ttcattgagag cagtgaacac agccaaaaaa tctagactca cagatgtgac | 660 |
| 36 | cctataatat ggaactctgg caccaggcca tgaagcacgt tggccagttt tctcaactt | 720 |
| 37 | gaagtgcagg attctcttat ttccgggacc acggagagtc tgacttaact acatacatct | 780 |
| 38 | tctgctggtg tttgtttcaa tctggaagaa tgactgtatc agtcaatggg gattttaaca | 840 |
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| 40 | gaaagccagc ctcctgtgtg ctactggga gtggaatccc tgtctccaca tctgctccta | 960 |
| 41 | gcagtgcac agccagtaaa acaaacacat ttacaagaaa aatgttttaa agatgccagg | 1020 |
| 42 | ggtactgaat ctgcaaagca aatgagcagc caaggaccag catctgtccg catttcacta | 1080 |
| 43 | tcatactacc tcttctttct gtagggatga gaattcctct tttaatcagt caagggagat | 1140 |
| 44 | gcttcaaagc tggagctatt ttatttctga gatgttgatg tgaactgtac attagtacat | 1200 |
| 45 | actcagtact ctcttcaat tgctgaaccc cagttgacca ttttaccag actttagatg | 1260 |
| 46 | ctttcttggt ccctcaattt tctttttaaa aatacttcta catgactgct tgacagccca | 1320 |
| 47 | acagccactc tcaatagaga gctatgtctt acattctttc ctctgctgct caatagtttt | 1380 |
| 48 | atatatctat gcatacatat atacacacat atgtatataa aattcataat gaatatattt | 1440 |
| 49 | gcctatatcc tccctacaag aatatttttg ctccagaaag acatgttctt ttctcaaatt | 1500 |
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| 54 | ggttgctgtc agactatacc catgtgcctc ctgggcttga caggtcaaaa tgggtcccat | 1800 |
| 55 | cagctgtgag cagccctcca gacctgggtg gaattccagg gttgagagac tcccctgagc | 1860 |
| 56 | cagaggccac taggtattct tgcctccaga ggctgaagtc accctgggaa tcacagtgtg | 1920 |
| 57 | ctacctgcat tcataattcc aggatctgtg aagagcacat atgtgtcagg gcacaattcc | 1980 |

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73 <212> TYPE: PRT

74 <213> ORGANISM: 8F4

76 <400> SEQUENCE: 2

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80 20 25 30
81 Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
82 35 40 45
83 Gln Gln Phe Lys Met Gln Leu Lys Gly Gly Gln Ile Leu Cys Asp
84 50 55 60
85 Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
86 65 70 75 80
87 Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
88 85 90 95
89 Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
90 100 105 110
91 Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
92 115 120 125
93 His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
94 130 135 140
95 Ile Gly Cys Ala Ala Phe Val Val Cys Ile Leu Gly Cys Ile Leu Ile
96 145 150 155 160
97 Cys Trp Leu Thr Lys Lys Tyr Ser Ser Ser Val His Asp Pro Asn
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104 <211> LENGTH: 17

105 <212> TYPE: PRT

106 <213> ORGANISM: 8F4

108 <400> SEQUENCE: 3

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113 <210> SEQ ID NO: 4
114 <211> LENGTH: 17
115 <212> TYPE: PRT
116 <213> ORGANISM: 8F4
118 <400> SEQUENCE: 4
120 Met Gly Asn Tyr Thr Asp Ala Cys Asn Gly Ala Tyr Gly Thr Asn Ala
121 1          5          10          15
122 Cys
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VERIFICATION SUMMARY

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